

What is claimed is:

1 1. A humidifier for a continuous positive airway
2 pressure device, comprising:

3 a humidifier body;

4 an air inlet provided to the humidifier body;

5 an air outlet provided to the humidifier body;

6 a plurality of chambers defined within the
7 humidifier body;

8 a plurality of baffles between one of the plurality
9 of chambers and an adjacent one of the plurality of
10 chambers;

11 an opening provided between two of the plurality of
12 baffles, the opening connecting the adjacent two of said
13 plurality of chambers; and

14 a deflector baffle being one of the plurality of
15 baffles, the deflector baffle being located proximate to
16 the opening and defining a serpentine fluid flow path
17 between the adjacent chambers.

1 2. The humidifier of claim 1, wherein the air
2 outlet is spaced away from the humidifier body and
3 defines an air outlet chamber.

1 3. The humidifier of claim 1, wherein the air

1 4. The humidifier of claim 1, wherein at least one
2 of the plurality of baffles is curved.

1 5. The humidifier of claim 1, wherein at least one
2 of the plurality of baffles is connected to a top side of
3 the humidifier body and is spaced apart from a bottom
4 side of the humidifier body.

1 6. The humidifier of claim 1, wherein each of the
2 plurality of baffles is connected to a top side of the
3 humidifier body and is spaced apart from a bottom side of
4 the humidifier body.

5 7. The humidifier of claim 1, wherein the
6 humidifier body comprises a base portion and a cover
7 portion.

1 8. The humidifier of claim 7, wherein the base
2 portion and the cover portion are permanently bonded
3 together.

1 9. The humidifier of claim 7, wherein the cover
2 portion is removable from the base portion.

3 and a corresponding groove.

11. A humidifier for a continuous positive airway
pressure device, comprising:

3 a humidifier body;

4 an air inlet provided to the humidifier body;

5 an air outlet provided to the humidifier body;

6 a plurality of chambers defined within the
7 humidifier body;

8 a non-planar dividing wall separating an adjacent
9 two of said plurality of chambers; and

10 an opening in the dividing wall providing fluid
11 communication between chambers.

12. The humidifier of claim 11, wherein each of the
2 chambers is partially filled with water and partially
3 filled with air, and wherein the water within chambers
4 proximate to the outlet has a level higher than that of a
5 level of the water within chambers proximate to the
6 inlet.

13. The humidifier of claim 11, wherein the air
2 within the humidifier forms at least one eddy.

1 15. The humidifier of claim 11, wherein the
2 dividing wall comprises a plurality of sections being
3 angled with respect each other.

1 16. A humidifier for a continuous positive airway
2 pressure device, comprising:

3 a base;

4 a cover having a resilient peripheral portion
5 removably securing the cover to the base;

6 a chamber defined by the base and cover;

7 an inlet in communication with the chamber; and

8 an outlet in communication with the chamber.

1 17. The humidifier of claim 16, wherein the
2 peripheral portion is provided with a tab to facilitate
3 removal of the cover.

1 18. The humidifier of claim 16, wherein the chamber
2 is provided with a plurality of baffles.

1 19. The humidifier of claim 16, wherein the chamber
2 is divided into a first chamber and a second chamber.

3 the outlet is in adjacent communication with the second
4 chamber.